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DIALOG(R) File 351: Derwent
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002522615

WPI Acc No: 1980-40644C/198023

Fuel gas odorant - comprises norbornene deriv. e.g. 5-ethylidene- or 5-vinyl-2-norbornene

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Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|-------------|------|------|----------|
| JP 55056190 | A | 19800424 | | | | 198023 B |
| ✓ JP 87001998 | B | 19870117 | | | | 198706 |

Priority Applications (No Type Date): JP 78130134 A 19781023

Abstract (Basic): JP 55056190 A

An odorant for fuel gas is a deriv. of norbornene of formula (I) itself or contains (I) as an essential component. The deriv. has a double bond at one of the positions shown by the dotted lines, and R is H or lower alkyl.

The odorant contains no sulphur. It is non-corrosive to metals, rubber, and packings, is chemically stable, and has satisfactory diffusing power. The odour is not eliminated or changed by chemical reaction, the extent of the fatigue of the olfactory sens for the deriv. is relatively slight. It can be used as the odorant for fuel gas. It can be used in the presence of acidic substance such as mercaptan, because no polymerisation is caused unlike acrylic ester odorant.

Title Terms: FUEL; GAS; ODOUR; COMPRISE; NORBORNENE; DERIVATIVE; ETHYLIDENE ; VINYL; NORBORNENE

Derwent Class: E15; H06

International Patent Class (Additional): C10L-003/00

File Segment: CPI
